

ABSTRACT

An auxiliary coupling disk for miniature vibration voice-coil motors aims to couple with a magnetic weight element to change the relative position of the auxiliary disk eccentric from the rotational center of the motor so that the magnetic weight element can generate vibration during rotation. The auxiliary coupling disk further can alter the vibration of the motor. The auxiliary coupling disk has at least one removable member located in the eccentric direction opposite to the magnetic weight element. The removable member may be selectively removed according to requirements to reduce the weight that offsets vibration to increase vibration.